

Date: Sat, 21 May 94 04:30:19 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V94 #153
To: Ham-Equip

Ham-Equip Digest Sat, 21 May 94 Volume 94 : Issue 153

Today's Topics:

 ALINCO 580 Question
 Motorola: Micor & Mocom70
 New MFJ DSP Unit

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 20 May 1994 17:46:02 GMT
From: news.ingr.com!b8!dunlap.b8.ingr.com!mgdunlap@uunet.uu.net
Subject: ALINCO 580 Question
To: ham-equip@ucsd.edu

I own an Alinco DJ 580T and in my opinion, anyone that is smart enough
to do the mod, should be smart enough to know what frequency they are on
befort pushing the PTT. I also believe that one would have to violate
radio protocol several times and do it intentionally before the FCC
would even act on a COMPLAINT. They are like most State/Federal enforcement
agencies.....understaffed, overworked, not very motivated.

Just my two cents worth..

Best regards,
Mike

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^~~~~~^
^ Mike Dunlap | | _**_ ^
^ Operating Systems Support | | / :-IIIIIIIIII ^
^ Intergraph Corp. Huntsville | | >: 723 :-----\ ^
^ voice: 800 603 5500 x5369 | | +-(0)------(0)---+ ^
^ email:mgdunlap@ingr.com | | FF/EMT-D N.R.E.M.T. ^
^ fax: (205) 730-6011 | | buy a smoke detector... ^
^ | | or sleep with a firefighter! ^
^~~~~~^

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Date: 19 May 1994 19:45:14 GMT
From: lll-winken.llnl.gov!noc.near.net!howland.reston.ans.net!usc!nic-nac.CSU.net!
channel.ecst.csuchico.edu!olivea!korie!newsworthy.West.Sun.COM!
abyss.West.Sun.COM!spot!myers@ames.arpa
Subject: Motorola: Micor & Mocom70
To: ham-equip@ucsd.edu

In article 7p@siesta.cs.wustl.edu, jd@siesta.cs.wustl.edu (j d wilson) writes:

>James, I'm in the process of modifying a Micor for the 2 Meter band. I have
>it working now as rock-bound rig on a local repeater. I found two of these
>cheap at a police auction. The trick with Micor's is that you have to buy
>them *really* cheap, so you can spend \$'s modifying them. I managed to
>get the channel elements donated, and a manual donated. I modified the
>receiver first, and it sounds great... The trick here is that you have
>to replace the helical coils in the front end... About \$35 from Motorola.
>The rest of the mods were not bad, but you have to unsolder the RF cans
>to get to the parts. The manual shows you what you have to modify to
>bring the rig down to the 2 meter band.

Hmmm... if you get a "low split" receiver, you don't need to do anything but
tune it up. Even the "mid split" receivers will usually tune down OK.

>On the TX side: I was able to get away with (so far) of just modifying
>the Exciter. This took some time, but can be done. Just use an analyzer
>to retune it and the TX channel element. You can tune the Power Amplifier
>to the 2 meter band, but no guarantees. I had to crank down one of the
>tuning caps to get it in tune. My TX was 146.250, so I know it can tune
>that low. Also, I found a bandpass and harmonic filter for the 2 meter
>band(\$250/pair), but I think you can tune the bandpass that is designed for
>the 150.8 MHz model down to the 2 meter band. Some instructions are around
>on how to do this by using a spare one, and drilling holes in the top
>so you can tune the coils. I've not tried this yet.

Hmmm... the exciters only differ in the value of several silver-mica caps.
If you look at the exciter circuit diagram, it gives a chart of split vs.

capacitor value. Just replace them on the exciter.

The PA is a little finicky, but a mid-split PA came down to 145MHz OK for me. Oh, yeah, a 60W PA, too.

>One other note: NOT ALL MICORS can be modified to the 2 meter band.
>The one's I have are the 73 series (90/110 Watt models). I don't think the
>60 Watt model can be modified.

Well, the model # (T73, T43, etc.) only indicates VHF high-band power level. I set up a choice T73RTA for 145.01; it is a low split radio, I just followed the tuneup directions with no problem. I've also set a few up on 145.xx which were mid-split radios.

>This radio is not very cost effective to modify, but then I'm doing this
>as a project to learn about this, and I'm going to convert it into a repeater
>to replace our dying repeater here at Washington University.

What??!!?! Maybe a high-split isn't cost effective. Low split radios don't require modifications at all, they just tune up. Power level has nothing to do with it, either. Mid-split radios usually tune-up without problem, too.

If you can set a T73 Micor up on 2m for \$100 (like I did for packet), it is a killer deal. Few modern import radios have as strong a receiver and an exciter as clean.

* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are
*
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer
*
* This Extra supports the abolition of the 13 and 20 WPM tests *

Date: Fri, 20 May 1994 15:17:17 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!darwin.sura.net!
gatekeeper.es.dupont.com!eplx7!eplx7.es.dupont.com!duncanfj@network.ucsd.edu
Subject: New MFJ DSP Unit
To: ham-equip@ucsd.edu

brannick@netcom.com (Bill Brannick) writes:

>Just saw an advertisment for the new MFJ Model 784 DSP Filter; anyone got

>some hands on knowledge of this one... or is it too soon?...Bill KN6FJ.

Saw it at Dayton, but not able to try it out. Functionality rivals time waves new unit introduced at Dayton and it was hot!!

End of Ham-Equip Digest V94 #153
